

fired exhaust gasses to reduce the quantity of CO, NO and SO contained in said fired exhaust.

2. (Amended) The apparatus of Claim 1 further comprising an injector for blowing air and waste material into said first combustion chamber.

3. (Amended) The apparatus of Claim 2 wherein said injector blows said air and waste material into said first combustion chamber along a trajectory that suspends said waste material for a time sufficient to enhance incineration of said waste material.

22. (Amended) A waste disposal system comprising:

means for reducing said waste material and for feeding said reduced waste material to said first combustion means;

a first combustion means for incinerating said reduced waste material in an oxygen rich atmosphere to produce an exhaust containing gasses and particulate matter;

a second combustion means for firing said exhaust containing gasses and particulate matter in an oxygen starved atmosphere;

means for removing particles from said fired exhaust;

first means for treating said fired exhaust to remove oxides of nitrogen;

second means for treating said fired exhaust to accelerate oxidizing reactions in said fired exhaust; and

liquid filter means for capturing said particulate matter contained in said fired exhaust and for chemically treating said fired exhaust gasses to reduce CO, NO, HCL and SO<sub>2</sub> contained in said fired exhaust.

#### REMARKS

This responds to the Office Action mailed September 6, 1991, finally rejecting Claims 1-14 and 22-25. Claims 15-21 and 26 were subject to a restriction requirement which was properly made withdrawing those claims from consideration. In the Office Action, the Examiner persisted in his rejection arguing that the claims were obvious under 35 U.S.C. §103 on the basis of Hadley, U.S. Patent No. 4,949,652 in view of Kent, U.S. Patent No. 4,922,841.

The independent claims 1 and 22 have been amended to more particularly emphasize the novel feature of Applicant's invention